REPORT NO. 77-3-28

FOREST INSECT AND DISEASE MANAGEMENT
U.S. FOREST SERVICE
DORAVILLE, GEORGIA

REPORT OF AERIAL DETECTION SURVEY

LAND OWNERSHIP OR SURVEY AREA: Toecane Ranger District, Pisgah National Forest and Blue Ridge Parkway, National Park Service

STATE: North Carolina

AREA WITHIN SURVEY BOUNDARY: 216,000 acres DATE: 6/3/77

PERCENT COVERAGE: 50% AIRCRAFT: Cessna 182 CREW: R. F. Bassett
P. A. Mistretta
J. Ghent

SURVEY OBJECTIVES: To detect and delineate areas of defoliation suspected to be caused by the fall cankerworm, *Alsophila pometaria* (Harris).

SURVEY RESULTS

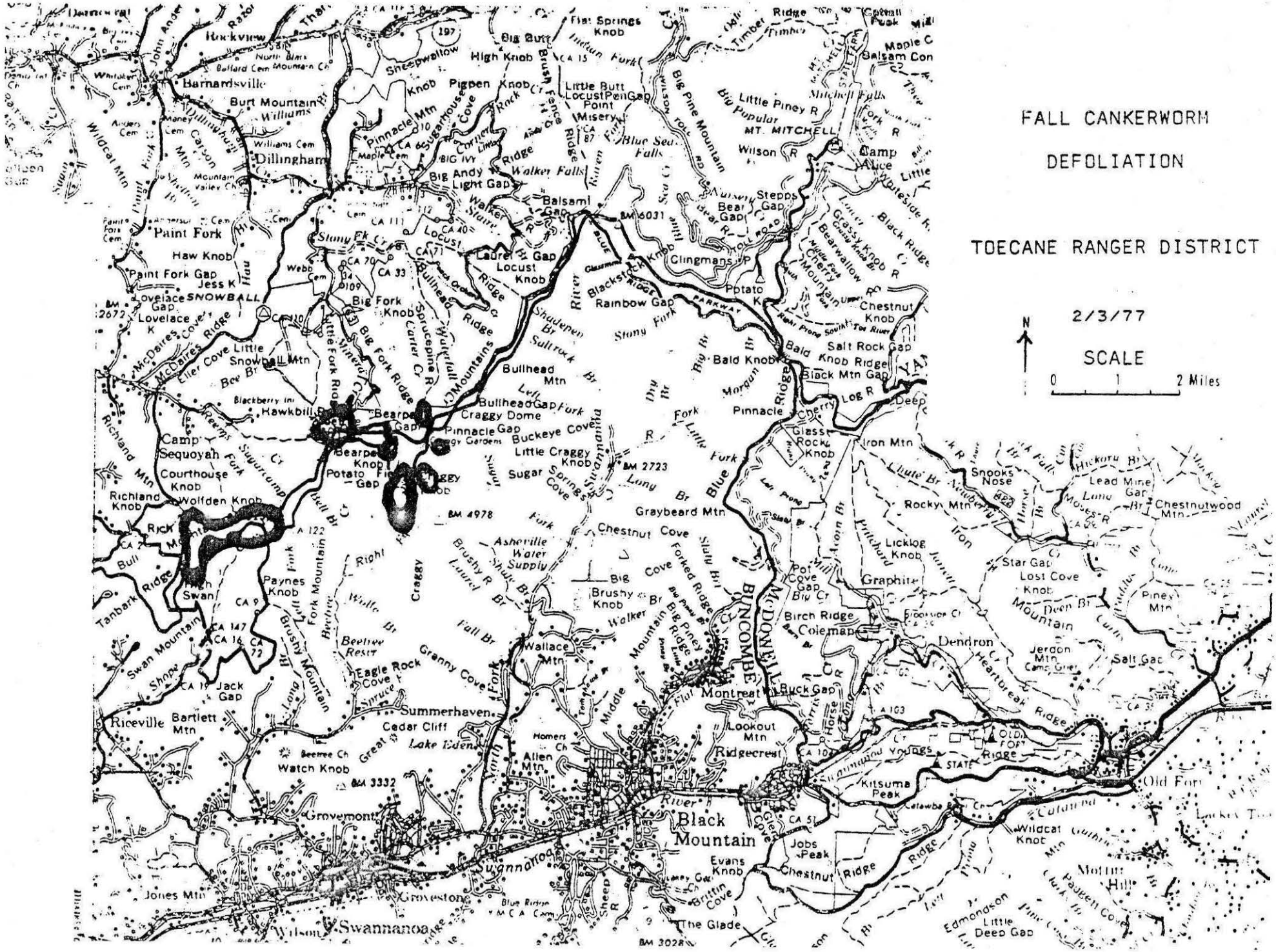
Areas with heavy defoliation (75-100%) were concentrated along the Blue Ridge Parkway between Bull Mountain and Bearpen Gap (see attached map). Approximately 1000 acres of hardwoods were defoliated.

CONCLUSIONS

Populations of the fall cankerworm are increasing in the survey area. This insect can be a serious pest to timber and it is a nuisance to people in recreation areas. It can cause severe timber mortality after several successive years of defoliation.

Since timber and recreation values are high in this area, the fall cankerworm infestations should be monitored to determine the potential for increase and to determine the impact of the outbreak on the forest resources.

For any additional information, Contact:
Forest Insect and Disease Management Unit
Southeastern Area, State & Private Forestry
Northgate Office Park, Room 2103
3620 Interstate 85, N.E.
Doraville, Georgia 30340
Telephone 404-221-4796


FALL CANKERWORM
DEFOLIATION
TOECANE RANGER DISTRICT
2/3/77
N
SCALE
0 1 2 Miles
Barnardsville
Burnsville
Dillingham
Paint Fork
Big Fork Knob
Snowball Mtn
Bullhead Mtn
Craggy Dome
Bearpen Gap
Camp Sequoyah
Courthouse Knob
Wolfden Knob
Richland Knob
Paynes Knob
Swan
Tanbark Ridge
Swan Mountain
Jack Gap
Riceville
Bartlett Mtn
Eagle Rock
Summerhaven
Cedar Cliff
Lake Eden
Watch Knob
Grovemont
Grovestone
Jones Mtn
Swannanoa
Wilson
Big Butt
High Knob
Pigpen Knob
Little Butt
Locust Pen Gap
Big Andy
Light Gap
Balsam Gap
Laurel Gap
Locust Knob
Rainbow Gap
Potato Knob
Clingmans
Stepps Gap
Bear Gap
Chestnut Knob
Salt Rock Gap
Bald Knob
Black Mtn Gap
Pinnacle
Glass Rock Knob
Iron Mtn
Snooks Nose
Lead Mine Gap
Chestnutwood Mtn
Rocky Mtn
Licklog Knob
Graphite
Star Gap
Lost Cove Knob
Piney Mtn
Deep Br Mountain
Pot Cove Gap
Big Cr
Birch Ridge
Coleman
Dendron
Jerdon Mtn
Salt Gap
Heartbreak Ridge
Montreat
Buck Gap
Lookout Mtn
Ridgecrest
Old Fort
Old Fort Ridge
Kitsuma Peak
Wildcat Knob
Mottin Hill
Black Mountain
Jobs Peak
Evans Knob
Chestnut Ridge
Allen Mtn
Wallace Mtn
Graybeard Mtn
Chestnut Cove
Asheville Water Supply
Big Brushy Knob
Forked Ridge
Mountain
Big Piney Ridge
Little Piney R
Mt. Mitchell
Big Pine Mountain
Timber Ridge
Balsam Cone
Maple C
Fat Springs Knob
Indian Fork
Brush Fence Ridge
Sugarhouse Cove
Pinnacle Mtn
Maple Cem
Big Ivy
Walker Falls
Blue Seas Falls
Nursery Bear Gap
Grassy Knob
Bearwallow
Cherry Mountain
Middle Fork Cherry Mountain
Lower Grassy Knob R
Black Ridge
Whiteside K
Camp Alice
Wilson R
Mitchell Falls
Big Popular
MT. MITCHELL
Blackstock Knob
Blackstock Ridge
Shadepen Br
Sulfur Br
Stony Fk
Bullhead Ridge
Bullhead Mountains
Spruce Carter Cr
Waterfall Mountains
Little Fork Ridge
Big Fork Ridge
McDaires Ridge
Eller Cove
Little Snowball Mtn
Bee Br
Blackberry Inn
Hawkbill
Richland Mtn
Reems Fork
Suwarrow Cr
Shell Br
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Right
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Brushy R
Laurel
Brushy Mountain
Beetree Resit
Beetree
Granny Cove
Fall Br
Long
Shope
Great
Beetree Ch
Homers Ch
Middle
Flat
Horse
Long Br
Sugar Cove
Sugar Springs
Buckeye Cove
Little Craggy
Craggy Gardens
Pinnacle Gap
Potato Gap
Lefty Fork
Suwannee Fork
Little Fork
Blue
Dry Br
Morgan Br
Big Br
Stony Fork
Right Prong South Toe River
Log R
Deep
Cherry
Pinnacle Ridge
Yan
Little Br
Hickory Br
Lead Mine Br
Moses R
Iron
Pritchard
Acorn Br
Jarrett
Curtis
Buckeye Br
Deep Br
Piney Br
Broadway Cr
Slate Br
Slate Fork
Big Piney Ridge
Walker Br
Beech Br
Middle Br
Flat Br
Long Br
Horse Br
Buncombe
McDowell
Yancey
Swannanoa River
Glen Cove
Cove Cr
Calfkiller
Calfkiller Gap
Wilson Toll Rd
Parkway
Blue Ridge Parkway
Toll Road
Mt. Mitchell State
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